

DATASHEET

Version: 2016-08-18

Autocamtide 2**Cat. No.:** RP10271**Size:** 1 mg**Alias:** Autocamtide2; AC-2; AC2**Description:**

The native peptide Autocamtide 2 (KKALRRQETVDAL) is a highly selective substrate for Ca^{2+} /calmodulin-dependent protein kinase (CaMK). The peptide Autocamtide 2 contains the sequence around the autophosphorylation site in the autoinhibitory domain of calmodulin-dependent protein kinase II (CaM kinase II). The fluorescent and biotinylated peptides are used to design assays for CaMKs.

Cas No: 129198-88-5**Sequence (one-letter code):**

KKALRRQETVDAL

Sequence (three-letter code):

{LYS}{LYS}{ALA}{LEU}{ARG}{ARG}{GLN}{GLU}{THR}{VAL}{ASP}{ALA}{LEU}

Solubility: Soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weight out a smaller portion of the contents.

Formula: $\text{C}_{65}\text{H}_{118}\text{N}_{22}\text{O}_{20}$ **Molecular Weight:** 1,527.77**Purity:** > 95%**Storage:**Store at -20°C

Note: Highly selective substrate for CaM kinase used for Ca^{2+} /Calmodulin-dependent Protein Kinase studies.

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